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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-11. (Cancelled)

- 12. (Currently Amended) A method for treating or preventing an autoimmune disease or an autoimmune disorder comprising administering an effective amount of a pharmaceutical composition and/or immune modulator composition comprising a whole cell of a bacterium from one or more of the genera Rhodococcus, Gordonia, Nocardia, Dietzia, Tsukamurella and Nocardioides to a subject wherein said composition modulates a cellular immune response, and wherein the autoimmune disease or autoimmune disorder involves inflammation of the intima of a blood vessel and is a vascular disorder selected from the group consisting of atheroma formation (otherwise known as arteriosclerosis), myointimal hyperplasia (natural or following angioplasty), inflammatory and autoimmune thickening of the intima and/or muscular layer of blood vessels and myocarditis.
- 13. (Currently Amended) A method for immunizing a subject against an autoimmune disease or an autoimmune disorder comprising administering a pharmaceutical composition and/or immune modulator composition comprising a whole cell of a bacterium from one or more of the genera Rhodococcus, Gordonia, Nocardia, Dietzia, Tsukamurella and Nocardioides and wherein the autoimmune disease or autoimmune disorder involves inflammation of the intima of a blood vessel and is a vascular disorder selected from the group consisting of atheroma formation (otherwise known as arteriosclerosis), myointimal hyperplasia (natural or following angioplasty), inflammatory and autoimmune thickening of the intima and/or muscular layer of blood vessels and myocarditis.

14. (Cancelled)

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15. (Cancelled) A method according to claim 12 or claim 13 wherein the autoimmune disease or

autoimmune disorder further involves inflammation of the muscular layer of a blood vessel, or of

the heart.

16. (Cancelled) A method according to claim 12 or claim 13 wherein the autoimmune disease or

autoimmune disorder is one which is preceded by or caused by a vascular disorder.

17. (Cancelled) A method according to claim 12 or claim 13 wherein the autoimmune disease or

autoimmune disorder is selected from one or more of the following: arthritis, particularly

 $rheumatoid\ arthritis,\ psoriasis,\ psoriatic\ arthropathy,\ scleroderma,\ thyroiditis,\ post-transplant$

intimal hyperplasia, graft rejection and vascular disorders.

18. (Cancelled) A method according to claim 17 wherein the vascular disorder is a vascular

disorder which comprises an autoimmune element.

19. (Cancelled) A method according to claim 17, wherein the vascular disorder is selected from

one or more of the following: Raynaud's disease or phenomenon, anterior uveitis, obliterative

vascular disorder, atheroma formation (otherwise known as arteriosclerosis), arteritis,

myointimal hyperplasia (natural or following angioplasty), inflammatory and autoimmune

thickening of the intima and/or muscular layer of blood vessels, inflammatory blood vessel

lesions, atherosclerotic heart disease, reperfusion injury, cardiac conduction disturbances,

leolong, unit-to-te-lieut-dibease, reperiation injury, variate vertical

myocarditis, myocardial infarction.

20. (Cancelled) A method according to claim 17 wherein the graft rejection is chronic graft

rejection

21. (Cancelled) A method according to claim 19 wherein the graft rejection is chronic graft

rejection in the absence of an immunosuppressant.

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22. (Previously Presented) A method according to claim 12 or claim 13 wherein said bacterium is selected from one or more of the group consisting of Gordonia bronchialis, Gordonia amarae, Gordonia sputi, Gordonia terrae, Nocardia asteroides, Dietzia maris, Tsukamurella paurometabola, Rhodococcus ruber, Rhodococcus rhodnii, Rhodococcus coprophilus, Rhodococcus opacus, Rhodococcus erythopolis, Nocardioides albus and Tsukamurella inchonensis.

- 23. (Previously Presented) A method according to claim 12 or claim 13 wherein said bacterium is killed.
- 24. (Cancelled)
- 25. (Cancelled)